

CHAPTER 6 LESSON 2B HOMEWORK
Ratio Relationships Word Problems

Name: _____

Date: _____ Math: _____

Directions: Complete each problem. Show all work and follow any specified methods of solving.

1. . The Recycling club collects cans and bottles for recycling. The ratio of cans to bottles collected was 8 to 9. If they collected 120 cans, how many items to be recycled did they collect in all? Use a double number line to organize your thinking.

2. Maria ran 5 laps for every 3 laps that Sarah ran at cross-country practice. If Maria ran 10 more laps than Sarah by the end of practice, how many laps did she run? Use a table to help you organize your thinking.

3. The ratio of boys to girls at the party is 5:6. Four more girls than boys attended. How many boys were at the party?

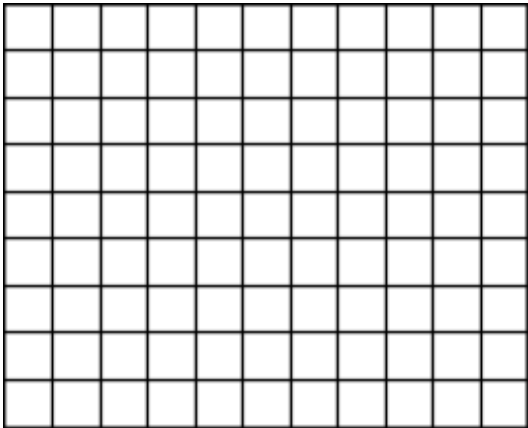
4. The ratio of boys to girls at the party is 5:6. Each student paid \$5 to attend. If the school collected \$770 dollars, how many girls attended?

Mrs. Pike buys markers in packages that have a ratio of red markers to black markers of 3 to 2.

RATIO OF RED TO BLACK MARKERS

A. Fill in the missing values of the table, using this ratio.

Red	Black
3	2
	4
9	



Red markers

b. Graph this relationship on the graph to the right, using the points on the table. Fill in any missing labels on the graph.

C. If Mrs. Pike has 55 markers in the room, how many black markers does she have? How many red markers does she have?

D. Each package of markers costs \$4.50. If Mrs. Pike spent \$54 on markers last year, how many red markers did she buy?